

**IN THE CLAIMS:**

Kindly amend the claims as follows:

1           151. (Amended) A method of controlling [operating] a  
B4 2       synchronous memory device, wherein the memory device includes a  
3       plurality of memory cells, the method of controlling the memory  
4       device comprises [comprising]:

5           providing first block size information to the memory device,  
6       wherein the first block size information defines a first amount of  
7       data to be output by the memory device onto a bus in response to a  
8       read [or write] request; and

9           issuing a first read request to the memory device, wherein in  
10      response to the first read request, the memory device outputs the  
11      first amount of data corresponding to the first block size  
12      information onto the bus synchronously with respect to an external  
13      clock signal.

1           2  
1       152. (Amended) The method of claim 151 wherein first block  
2       size information further defines a first amount of data to be input  
3       by the memory device from the bus in response to a write request,  
4       the method further including [providing] issuing a first write  
5       request to the memory device wherein, in response to the first  
6       write request, the memory device inputs the first amount of data  
7       corresponding to the first block size information from the bus  
8       synchronously with respect to the external clock signal.

3

153. (Amended) The method of claim 152 further including:

1  
2  
3 providing second block size information to the memory device,  
4 wherein the second block size information defines a second amount  
5 of data to be input by the memory device from the bus in response  
6 to a write request; and

7 issuing the second write request to the memory device, wherein  
8 in response to the second write request, the memory device inputs  
9 the amount of data corresponding to the second block size  
10 information from the bus synchronously with respect to the external  
clock signal.

18

168. (Amended) A method of operation of a synchronous memory  
2 device, wherein the memory device includes a plurality of memory  
3 cells, the method of operation of the memory device comprises  
4 [comprising] :

5 receiving an external clock signal;

6 receiving first block size information from a bus controller,  
7 wherein the first block size information defines a first amount of  
8 data to be output by the memory device onto a bus in response to a  
9 read [or write] request;

10 receiving a first read request from the bus controller; and

11 outputting the first amount of data corresponding to the first  
12 block size information, in response to the first read request, onto  
13 the bus synchronously with respect to [an] the external clock  
14 signal.

*19* 169. (Amended) The method of claim 168 further including:

2 receiving a second read request from the bus controller, and  
3 outputting the first amount of data corresponding to the first  
4 block size information, in response to the second read request,  
5 onto the bus synchronously with respect to the external clock  
6 signal.

*20*

1 170. (Amended) The method of claim 168 wherein first block  
2 size information further defines a first amount of data to be input  
3 by the memory device from the bus in response to a write request,  
4 the method further including:

5 receiving a first write request from the bus controller, and  
6 inputting the first amount of data corresponding to the first  
7 block size information, in response to the first write request,  
8 from the bus synchronously with respect to the external clock  
9 signal.

*21*

1 171. (Amended) The method of claim 170 further including:

2 receiving second block size information, wherein the second  
3 block size information defines a second amount of data to be input  
4 from the bus in response to a write request; and  
5 receiving the second write request from the bus controller;  
6 inputting the amount of data corresponding to the second block  
7 size information, in response to the second write request, from the  
8 bus synchronously with respect to the external clock signal.

*76*

*34*  
1       184. (Amended) A method of operation of a synchronous memory  
2 device, wherein the memory device includes a plurality of memory  
3 cells; and a time delay register, the method of operation of the  
4 memory device comprises:

5           storing a value in the time delay register, the value being  
6 representative of a number of external clock cycles to transpire  
7 after which the memory device responds to a read request;

8           receiving an external clock signal wherein the external clock  
9 signal has a fixed frequency;

10          receiving block size information from a bus controller,  
11 wherein the block size information defines a first amount of data  
12 to be output by the memory device onto the bus in response to a  
13 read request;

14          receiving a first read request from the bus controller;

15          outputting the first amount of data corresponding to the block  
16 size information onto the bus in response to the first read  
17 request. [;

18          receiving a second read request;

19          outputting the first amount of data corresponding to the block  
20 size information onto the bus in response to the second read  
21 request; and]

22          wherein the memory device outputs the data synchronously with  
23 respect to the external clock signal, during a plurality of clock  
24 cycles of the external clock signal and in accordance with the  
25 value stored in the time delay register.